

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061120\
 Data File : VU038811.D
 Acq On : 11 Jun 2020 05:35
 Operator : SY/MD
 Sample : L2915-18 100X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F9E64

Quant Time: Jun 11 07:15:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 11 07:12:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	548126	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	525384	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	246911	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	169027	55.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.38%
7) Chloroethane-d5	1.93	69	139944	58.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.82%
11) 1,1-Dichloroethene-d2	2.59	63	261129	39.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.24%
21) 2-Butanone-d5	4.67	46	376220	126.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	126.28%
24) Chloroform-d	5.10	84	360396	54.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.16%
26) 1,2-Dichloroethane-d4	5.74	65	255366	58.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.70%
32) Benzene-d6	5.76	84	718820	56.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.60%
36) 1,2-Dichloropropane-d6	6.72	67	225118	57.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	115.44%
41) Toluene-d8	7.92	98	603516	52.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.54%
43) trans-1,3-Dichloropropene-	8.20	79	104912	53.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.86%
47) 2-Hexanone-d5	8.65	63	265848	128.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	128.05%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	333061	57.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	114.50%
64) 1,2-Dichlorobenzene-d4	12.20	152	246114	57.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.82%

Target Compounds

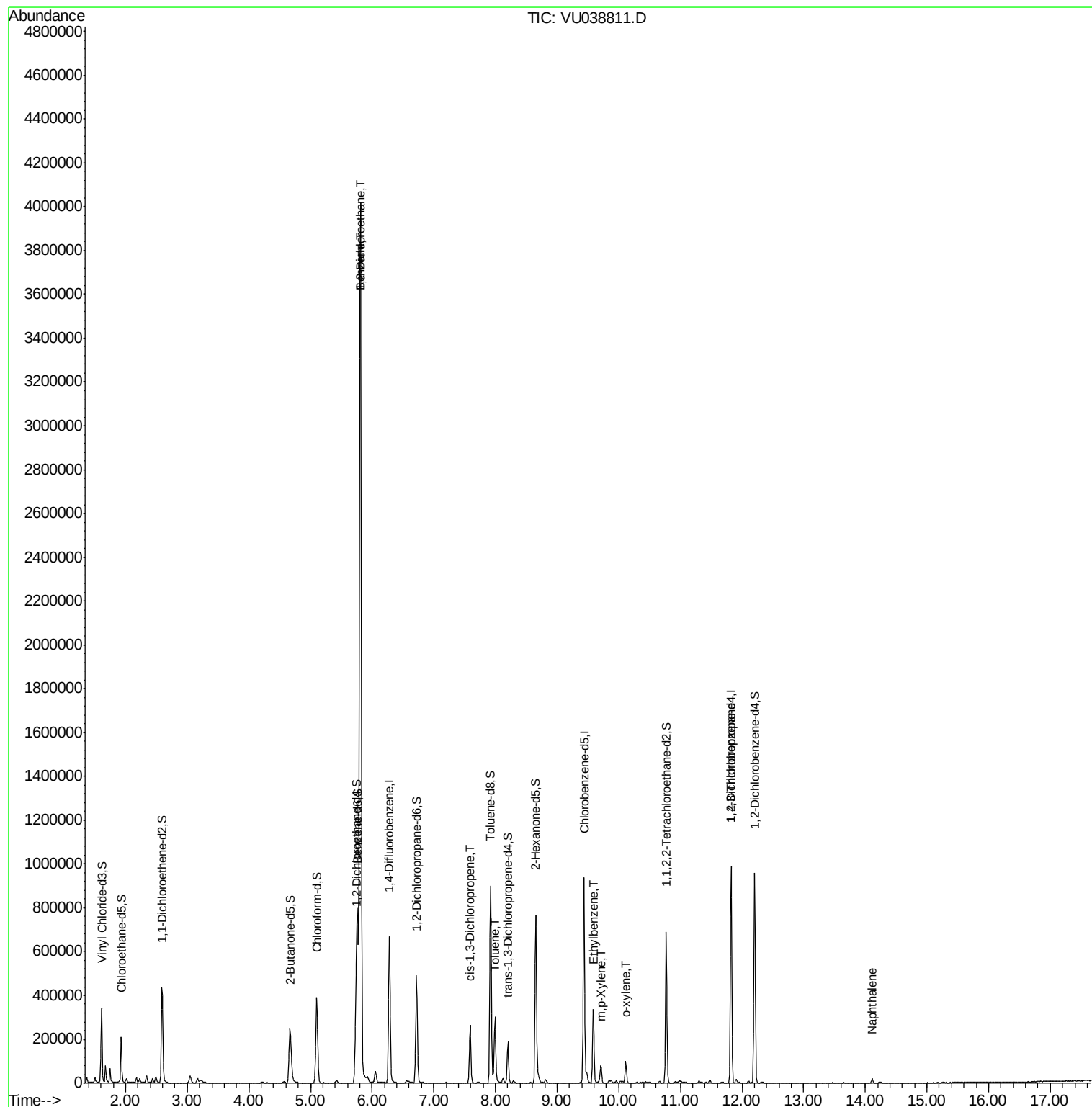
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
27) 1,2-Dichloroethane	5.81	62	33629	5.646	ug/L #	74
33) Benzene	5.81	78	3792708	243.098	ug/L	100
39) cis-1,3-Dichloropropene	7.59	75	6557	1.046	ug/L #	66
42) Toluene	7.99	91	219761	13.471	ug/L	99
52) Ethylbenzene	9.59	91	239324	13.293	ug/L	99
53) m,p-Xylene	9.71	106	22746	3.291	ug/L	95
54) o-xylene	10.11	106	26735	3.985	ug/L	97
59) 1,2,3-Trichloropropane	11.82	75	31275	5.486	ug/L	91
69) Naphthalene	14.11	128	15659	0.858	ug/L	95

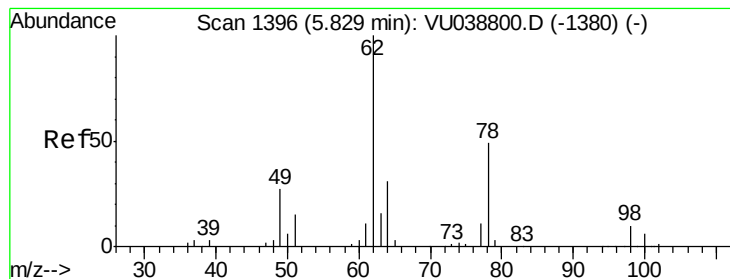
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 11 07:15:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jun 11 07:12:16 2020
Response via : Initial Calibration





#27

1,2-Dichloroethane

Concen: 5.646 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. -0.02 min

Lab File: VU038811.D

Acq: 11 Jun 2020 05:35

Instrument :

MSVOA_U

ClientSampleId :

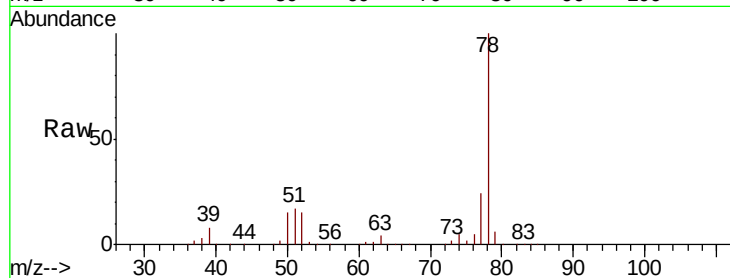
F9E64

Tot Ion: 62 Resp: 33629

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.6#



Abundance Ion 62.00 (61.70 to 62.70): VU038811.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU038811.D (-1380) (-)

5.81

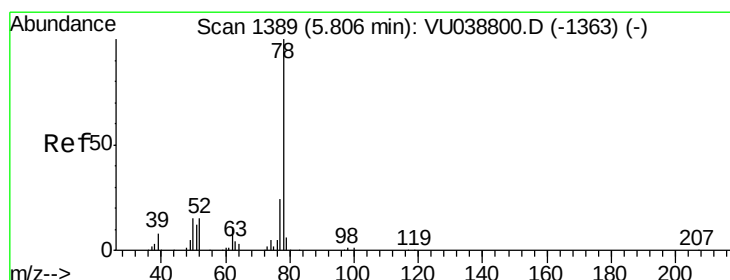
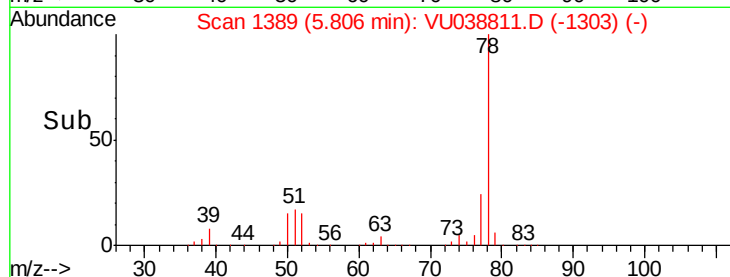
15000

10000

5000

0

Time-->



#33

Benzene

Concen: 243.098 ug/L

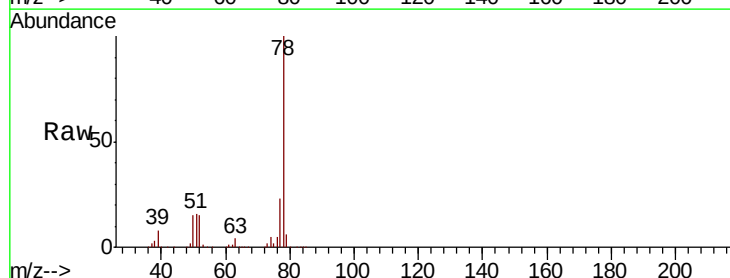
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU038811.D

Acq: 11 Jun 2020 05:35

Tgt Ion: 78 Resp: 3792708



Abundance Ion 78.00 (77.70 to 78.70): VU038811.D (-1363) (-)

2000000

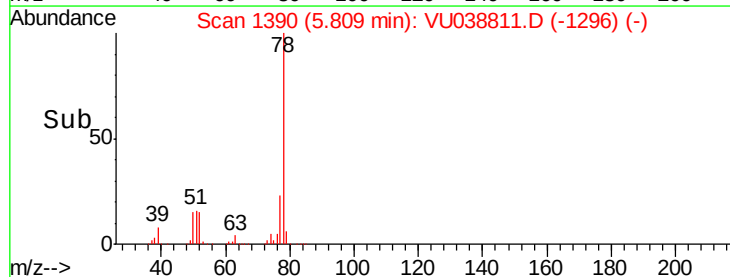
1500000

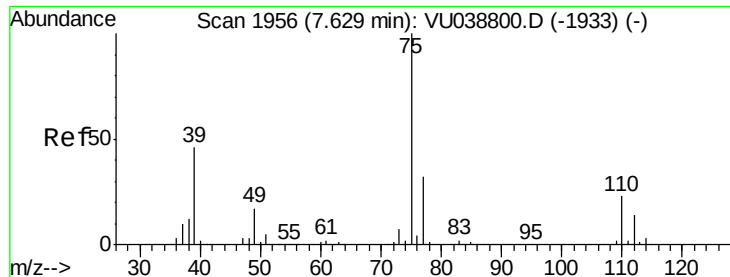
1000000

500000

0

Time-->

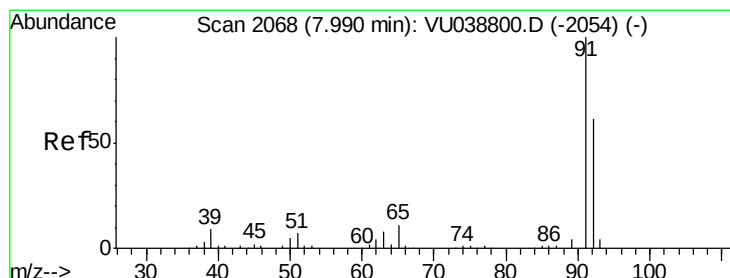
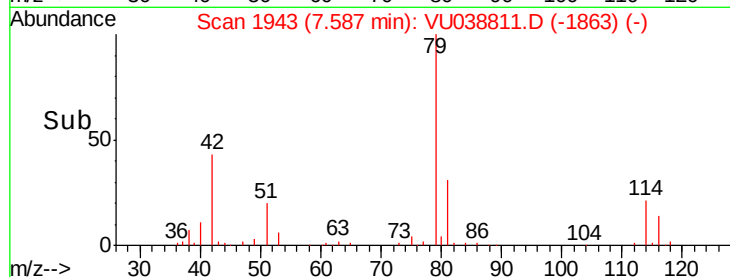
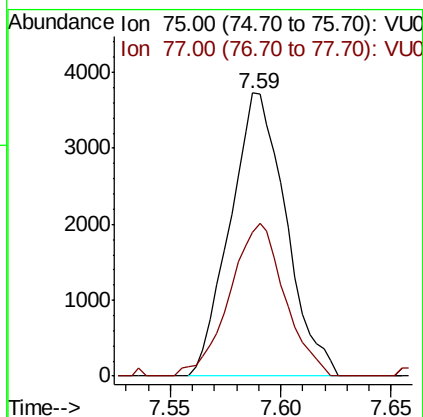
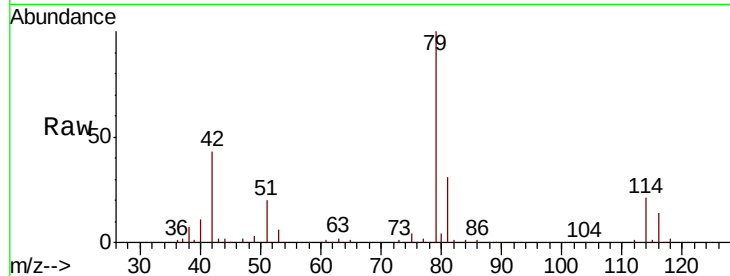




#39
 cis-1,3-Dichloropropene
 Concen: 1.046 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.04 min
 Lab File: VU038811.D
 Acq: 11 Jun 2020 05:35

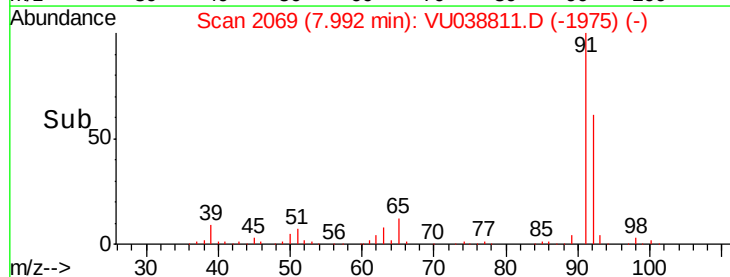
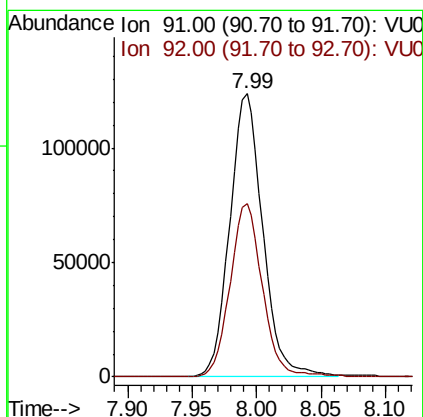
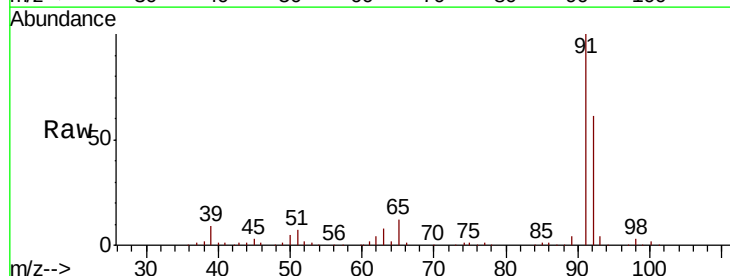
Instrument :
 MSVOA_U
 ClientSampleId :
 F9E64

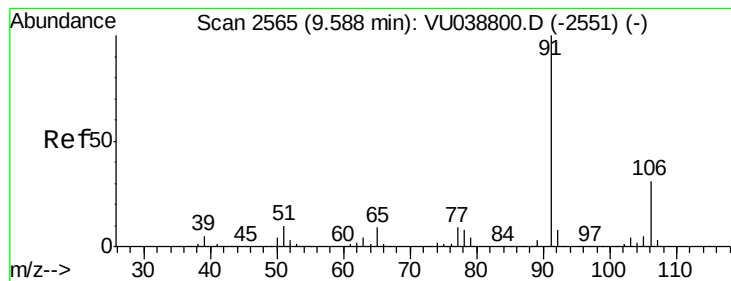
Tot Ion: 75 Resp: 6557
 Ion Ratio Lower Upper
 75 100
 77 50.7 22.2 41.2#



#42
 Toluene
 Concen: 13.471 ug/L
 RT: 7.99 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VU038811.D
 Acq: 11 Jun 2020 05:35

Tgt Ion: 91 Resp: 219761
 Ion Ratio Lower Upper
 91 100
 92 61.3 42.2 78.4





#52

Ethylbenzene

Concen: 13.293 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038811.D

Acq: 11 Jun 2020 05:35

Instrument :

MSVOA_U

ClientSampleId :

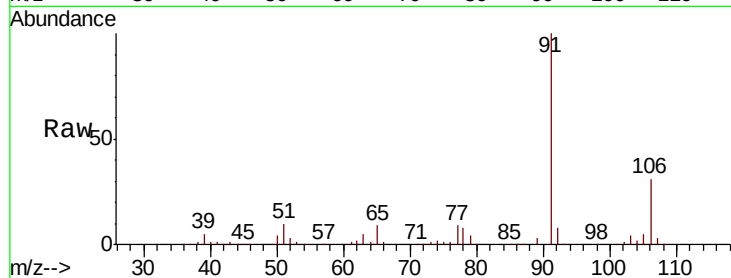
F9E64

Tot Ion: 91 Resp: 239324

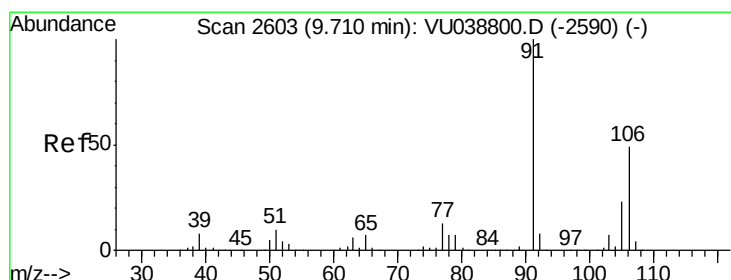
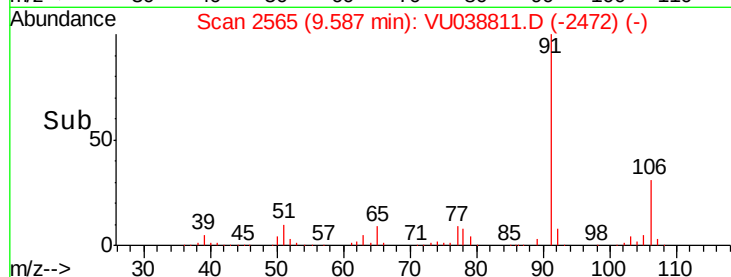
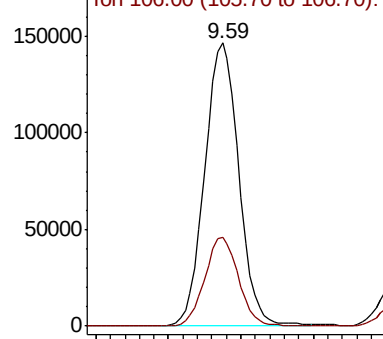
Ion Ratio Lower Upper

91 100

106 31.3 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038811.D (-2472) (-)



#53

m,p-Xylene

Concen: 3.291 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038811.D

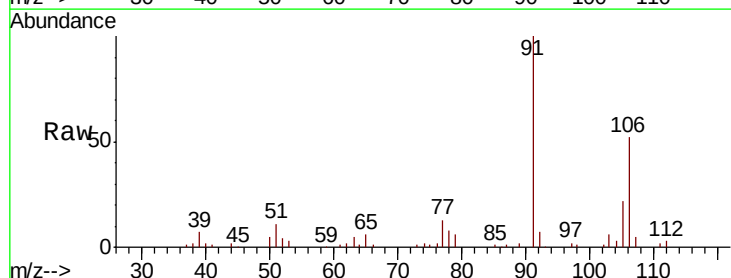
Acq: 11 Jun 2020 05:35

Tgt Ion: 106 Resp: 22746

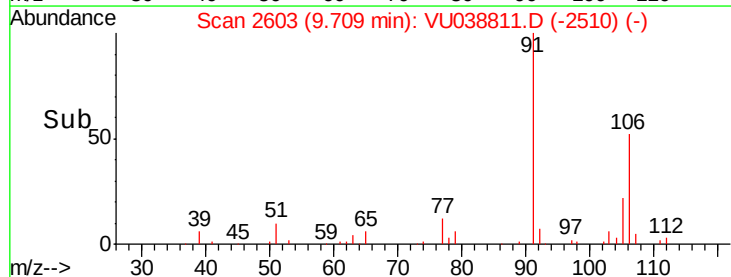
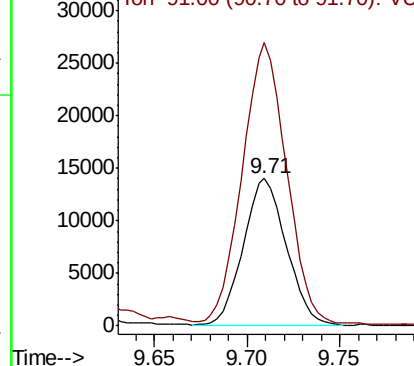
Ion Ratio Lower Upper

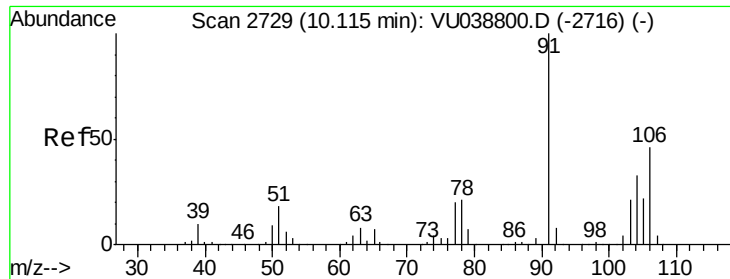
106 100

91 191.9 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VU038811.D (-2510) (-)





#54

o-xylene

Concen: 3.985 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU038811.D

Acq: 11 Jun 2020 05:35

Instrument :

MSVOA_U

ClientSampled :

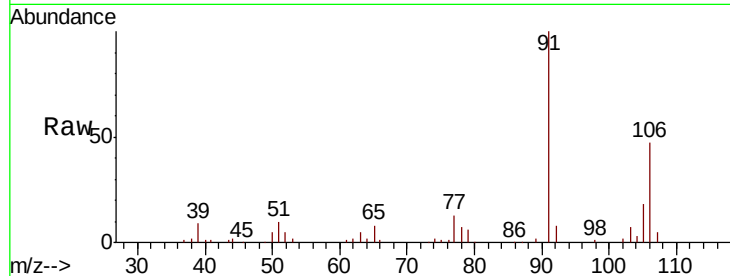
F9E64

Tot Ion:106 Resp: 26735

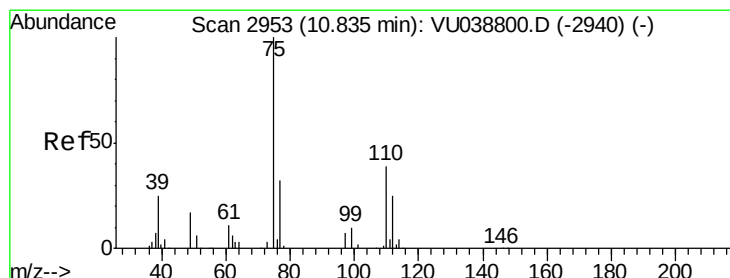
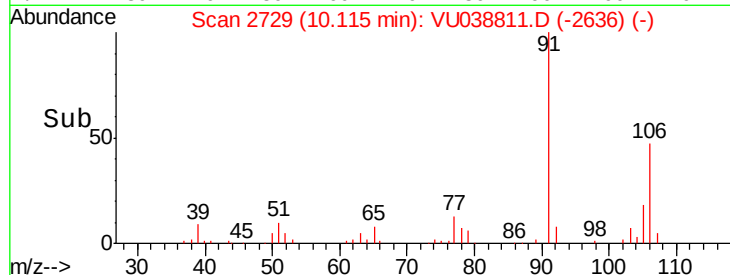
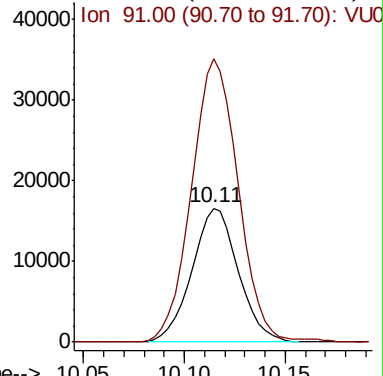
Ion Ratio Lower Upper

106 100

91 211.5 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): VU038811.D (-2636) (-)



#59

1,2,3-Trichloropropane

Concen: 5.486 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.99 min

Lab File: VU038811.D

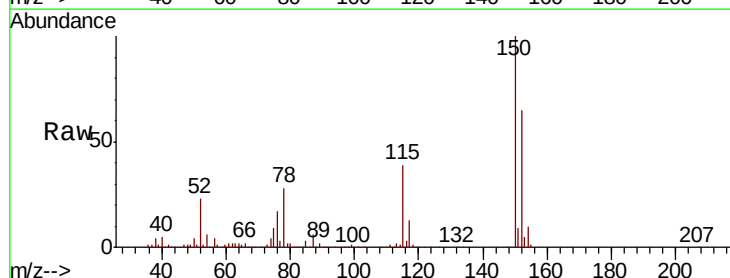
Acq: 11 Jun 2020 05:35

Tgt Ion: 75 Resp: 31275

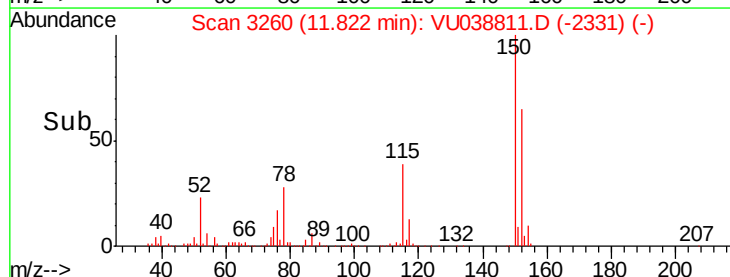
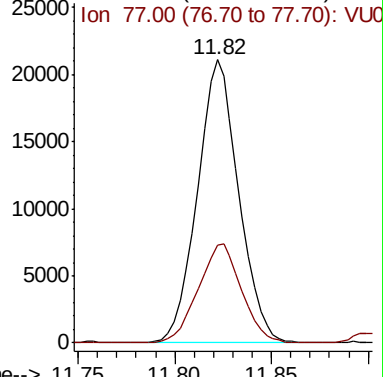
Ion Ratio Lower Upper

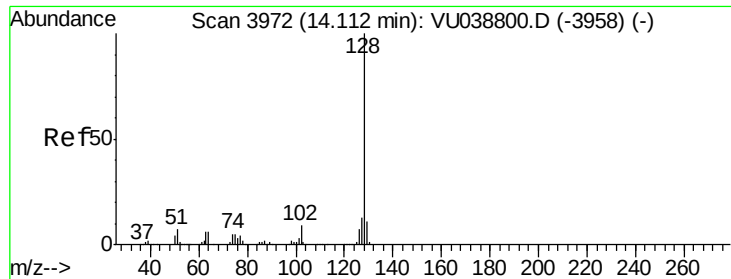
75 100

77 36.5 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU038811.D (-2331) (-)





#69

Naphthalene

Concen: 0.858 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU038811.D

Acq: 11 Jun 2020 05:35

Instrument :

MSVOA_U

ClientSampleId :

F9E64

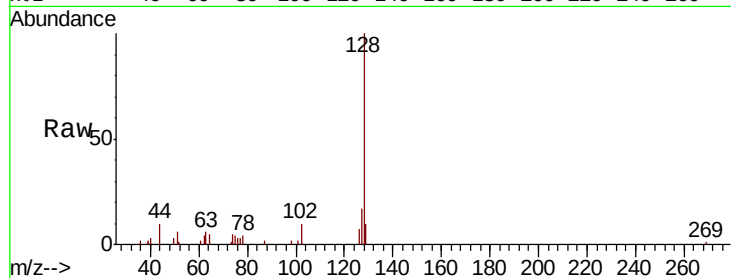
Tot Ion:128 Resp: 15659

Ion Ratio Lower Upper

128 100

127 15.7 10.6 16.0

129 9.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

